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10/600,157	06/19/2003	Madhavi W. Chandra	CISCP326/247013	5810

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EXAMINER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *06 January 2009*.

2a)☒ This action is **FINAL.**   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1,3,5,7-10,12-27 and 29-52* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1,3,5,7-10,12-27 and 29-52* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

Response to Arguments

Applicant's arguments with respect to claims 1, 3, 5, 7-10, 12-27 and29-48 have

been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

Claims 1, 5, 42-44, 50 and 52 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Jones et al. – hereinafter Jones (US 7, 441,269) in view of Heller (US

6,947,400).

As per claims 1 and 42, Jones discloses In a PDSN, a method of releasing

resources, comprising:

sending an access request message to a first AAA server for authentication of a

node; (Col 7 line 53 - Col 8 line 7; Figure 5A: item 84)

receiving an access accept message from the first AAA server; (Col 7 line 53 –

Col 8 line 7; Figure 5A: item 86)

establishing a Mobile IP session as a Foreign Agent for the node when an
access accept message is received from the first AAA server; (Col 7 line 53 - Col 8 line
7; Figure 5A; item 87)

storing information associated with the node in resources associated with the
PDSN; (Col 7 line 53 – Col 8 line 7; creates new session record; Figure 5A; item 88)

receiving a disconnect request message from the first AAA server; and (Col 10
lines 33-43; Figure 6B; item 168)

releasing the resources when the disconnect request message is received; (Col
2 lines 30-35, Col 5 lines 38-49)

wherein the resources comprise memory (Col 12 lines 1-11). Jones fails to
disclose the information comprises PPP information associated with a PPP session.
Heller discloses wherein the information comprises PPP information associated with a
PPP session. (Col 5 lines 34-47) At the time the invention was made, it would have
been obvious to a person of ordinary skill in the art to modify Jones to disclose wherein
the information comprises PPP information associated with a PPP session. The
motivation would have been to communicate PPP packets between a source and a
destination without the need for reconnection if the source is mobile. (Col 3 lines 34-40)

As per claim 5, Jones / Heller disclose the method as recited in claim 1. Jones
discloses the information is associated with the Mobile IP session. (Col 11 lines 38-47)

As per claim 43, please see discussion under claim 1 as similar logic applies. Jones discloses further such that the resources are released independent of whether a PPP session timer has expired. (Col 2 lines 30-35; Col 5 lines 38-49)

As per claim 44, please see discussion under claim 1 as similar logic applies. Jones discloses further such that the resources are released prior to expiration of a PPP session timer. ((Col 2 lines 30-35; Col 5 lines 38-49)

As per claim 50, Jones / Heller disclose the method as recited in claim 1. Jones discloses further where the resources are released prior to expiration of a PPP session timer. (Col 2 lines 30-35; Col 5 lines 38-49)

As per claim 52, Jones / Heller disclose the method as recited in claim 1. Jones discloses wherein the resources are released independent of expiration a PPP session timer. (Col 2 lines 30-35; Col 5 lines 38-49)

Claims 3, 7-9, 12-13, and 15-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jones et al. – hereinafter Jones (US 7, 441,269) in view of Heller (US 6,947,400) in view of Raman et al. – hereinafter Raman (US 2004/0018829).

As per claim 3, Jones/ Heller disclose the method as recited in claim 1. Raman discloses where the disconnect request message is received from a second AAA server via the first AAA server. ([0266])

As per claim 7, Jones/ Heller / Raman disclose the method as recited in claim 3. Raman discloses wherein the first AAA server is a visited AAA server associated with a foreign network and the second AAA server is a home AAA server associated with a home network of the node. ([0251])

As per claim 8, Jones/ Heller / Raman disclose the method as recited in claim 3. Raman discloses wherein the first AAA server is a visited AAA server associated with a foreign network and the second AAA server is the visited AAA server associated with the foreign network. ([0251])

As per claim 9, Jones / Heller / Raman disclose the method as recited in claim 3. Raman discloses the method as recited in claim 3, wherein the access request message and access reply message are RADIUS messages, and the first and second AAA servers are RADIUS servers. ([0245])

As per claim 12, Jones / Heller / Raman disclose the method as recited in claim 3. Raman discloses wherein the disconnect request message is triggered by a second access request message sent to the second AAA server ([0266]) by a second PDSN to which the node has roamed. ([0233])

As per claim 13, Jones / Heller / Raman disclose the method as recited in claim 3. Jones discloses wherein the disconnect request message is sent after an access accept message is sent by the second AAA server to the first AAA server. (Col 10 lines 33-43; Figure 6B; item 168)

As per claim 15, Jones / Heller disclose the method as recited in claim 1. Jones discloses further comprising: sending a disconnect acknowledgement message indicating that the PDSN has successfully disconnected the user. (Col 10 lines 33-44; Figure 6B: item 170)

As per claim 16, Jones / Heller disclose the method as recited in claim 1. Jones discloses further comprising wherein the disconnect acknowledgement message is sent to the first AAA server.   (Col 10 lines 33-44; Figure 6B: item 170)

As per claim 17, Jones / Heller / Raman disclose the method as recited in claim 3. Jones discloses further comprising: sending a disconnect acknowledgement message to the second AAA server, the disconnect acknowledgement message indicating that the PDSN has successfully disconnected the user. (Col 10 lines 33-44; Figure 6B: item 170)

Claims 21-27, 29, 45-46, and 51 are rejected under 35 U.S.C. 102(e) as being

anticipated by Jones (US 7, 441,269) in view of Phillips et al. - hereinafter Phillips (US

7,454,206).

As per claim 21, Jones discloses in a AAA server, a method of initiating the

release of resources in a first PDSN, comprising:

receiving an access request message from a second PDSN, the access request

message (Col 7 line 53 - Col 8 line 7; Figure 5A: item 84) a session identifier identifying

a session associated with the user, (Col 8 lines 7-19; Acct-Session-ID attribute) and a

PDSN identifier identifying the first PDSN; (Col 8 lines 7-19; IP address of the PDSN A)

sending an access accept message to the second PDSN in response to the

access request message; and (Col 7 line 53 – Col 8 line 7; Figure 5A: item 86)

sending a disconnect request message to the first PDSN indicating a request to

release resources associated with the session, (Col 10 lines 33-43; Figure 6B; item 168)

thereby enabling the first PDSN to release the resources prior to expiration of a PPP

session timer; (Col 2 lines 30-35; Col 5 lines 38-49)

Jones fails to disclose the access request message includes a username identifier

identifying a user. Phillips discloses the access request message includes a username

identifier identifying a user.   (Col 10 lines 36-56)   At the time the invention was

made, it would have been obvious to a person of ordinary skill in the art to modify Jones

to disclose the access request message includes a username identifier identifying a

user. The motivation would have been to determine the particular type of

communication session that wireless communication device is trying to establish. (Col 9

line 60-Col 10 line 4)

As per claim 22, Jones / Phillips disclose the method as re cited in claim 21.

Jones discloses wherein the disconnect request message (Col 10 lines 33-43; Figure

6B; item 168) further indicates that the resources associated with the session are no

longer needed. (Col 2 lines 30-35, Col 5 lines 38-49)

As per claim 23, Jones / Phillips disclose the method as recited in claim 21.

Jones discloses wherein the disconnect request message further indicates that a node

associated with the user has moved. (Col 10 lines 44-56)

As per claim 24, Jones / Phillips disclose the method as recited in claim 23.

Jones discloses wherein the node is a mobile node. (Col 6 lines 63-67)

As per claim 25, Jones / Phillips disclose the method as recited in claim 21.

Jones discloses wherein the disconnect request message requests that the first PDSN

disconnect the user (Col 10 lines 33-43; Figure 6B; item 168) for the session identified

by the session identifier. (Col 8 lines 7-19; Acct-Session-ID attribute)

As per claim 26, Jones/ Phillips disclose the method as recited in claim 21. Jones

discloses wherein the AAA server is a home server associated with a home network of

a user. (Col 6 lines 29-35)

As per claim 27, Jones / Phillips disclose the method as recited in claim 21.

Jones discloses wherein the disconnect request message (Col 10 lines 33-43; Figure

6B; item 168)comprises a source PDSN identifier identifying the first PDSN, (Col 8 lines

7-19; IP address of the PDSN A) and a session identifier identifying a session

associated with the user (Col 8 lines 7-19; Acct-Session-ID attribute) to be terminated

by the first PDSN. (Col 2 lines 30-35, Col 5 lines 38-49) Phillips discloses a username

identifier identifying a user associated with the Mobile IP session, (Col 10 lines 36-56)

As per claim 29, Jones / Phillips disclose the method as recited in claim 27.

Jones discloses receiving acknowledgement message from the first PDSN indicating

that the first PDSN has successfully disconnected the user. (Col 10 lines 33-44; Figure

6B: item 170)

As per claim 45, please see discussion under claim 21 as similar logic applies.

Jones discloses further such that the resources are released independent of whether a

PPP session timer has expired. (Col 2 lines 30-35; Col 5 lines 38-49)

As per claim 46, please see discussion under claim 1 as similar logic applies. Jones discloses further such that the resources are released prior to expiration of a PPP session timer. (Col 2 lines 30-35; Col 5 lines 38-49)

As per claim 51, Jones / Heller disclose the AAA server as recited in claim 46. Jones discloses wherein the disconnect request message is sent to the first PDSN prior to expiration of a PPP session timer, (Col 2 lines 30-35; Col 5 lines 38-49) the disconnect request message triggering the release of resources associated with the session. (Col 10 lines 33-43; Figure 6B; item 168)

Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Jones (US 7, 441,269) / Heller (US 6,947,400) further in view of Phillips et al. - hereinafter Phillips (US 7,454,206).

As per claim 10, Jones / Heller disclose the method as recited in claim 1. Jones discloses wherein the disconnect request message (Col 10 lines 33-43; Figure 6B; item 168) comprises a source PDSN identifier identifying the PDSN, (Col 8 lines 7-19; IP address of the PDSN A) and a session identifier identifying a session associated with the user to be terminated by the PDSN, (Col 8 lines 7-19; Acct-Session-ID attribute) . Heller discloses wherein the session is a PPP session. (Col 5 lines 34-47). Phillips disclose a username identifier identifying a user associated with the Mobile IP session,

(Col 10 lines 36-56)

Claims 18-19 and 49, are rejected under 35 U.S.C. 103(a) as being unpatentable over Jones (US 7, 441,269) / Heller (US 6,947,400) further in view of Moller et al. – hereinafter Moller (US 2003/0028598)

As per claims 18, Jones / Heller discloses the method as recited in claim 1. Jones fails to disclose sending a disconnect non-acknowledgement message indicating that the PDSN is unable to disconnect the user. Moller discloses sending a non-acknowledgement in the event of an error. ([0090]-[0091]   At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to modify Jones to disclose sending a disconnect non-acknowledgement message indicating that the PDSN is unable to disconnect the user. The motivation would have been to notify the requesting device of an error ([0091]).

As per claim 19, Jones / Heller / Moller disclose the method of claim 18. Moller discloses wherein the disconnect non-acknowledgement is sent to the first AAA server. ([0090]-[0091])

As per claim 49, please see the discussion under claim 18 as similar logic applies.

Claim 20 is rejected under 35 U.S.C. 103(a) as being unpatentable over Jones

(US 7, 441,269) / Heller (US 6,947,400) further in view of Raman (US 2004/0018829) /

Moller (US 2003/0028598)

As per claim 20, please see discussion under claim 19 as similar logic applies.

Claims 14, 31-37, 39, 41, and 47-48 are rejected under 35 U.S.C. 103(a) as

being unpatentable over Jones et al. – hereinafter Jones (US 7, 441,269) in view of

Heller (US 6,947,400)/ Phillips (US 7,454,206) / Raman et al. – hereinafter Raman (US

2004/0018829).

As per claim 31, Jones discloses in a first AAA server, a method of initiating the

release of resources in a first PDSN, comprising:

the access accept message (Col 7 line 53 - Col 8 line 7; Figure 5A: item 84) a

session identifier identifying a session associated with the user, (Col 8 lines 7-19; Acct-

Session-ID attribute) and a PDSN identifier identifying the first PDSN; (Col 8 lines 7-19;

IP address of the PDSN A),

sending a disconnect request message to the PDSN identifier identifying the first

PDSN, the disconnect request message indicating a request to release resources

associated with the session, (Col 10 lines 33-43; Figure 6B; item 168) wherein the

disconnect request message is sent to the PDSN independent of whether a PPP

session timer has expired; (Col 2 lines 30-35, Col 5 lines 34-47)

wherein the resources comprise memory (Col 12 lines 1-11)

Jones fails to disclose receiving an access accept message from a second AAA

server, and wherein the resources comprise memory and wherein the session is a PPP

session and including a username identifier identifying a user,. Heller discloses wherein

the information comprises PPP information associated with a PPP session. (Col 2 lines

30-35, Col 5 lines 34-47). Raman discloses receiving an access accept message from

a second AAA server. ([0269]; auth-accept message) Phillips discloses including a

username identifier identifying a user. (Col 10 lines 36-56) At the time the invention

was made, it would have been obvious to a person of ordinary skill in the art to modify

Jones to disclose receiving an access accept message from a second AAA server, and

wherein the resources comprise memory and wherein the session is a PPP session.

The motivation would have been to communicate PPP packets between a source and a

destination without the need for reconnection if the source is mobile. (Heller, Col 3 lines

34-40) and to replenish used credits and purchasing new credits for prepaid services by

the PDSN (Raman, [0270]) and to determine the particular type of communication

session that wireless communication device is trying to establish. (Col 9 line 60-Col 10

line 4)

As per claim 14, Jones / Heller / Raman disclose the method as recited in claim
12. Jones discloses wherein the access request message and the second access
request message each comprise a RADIUS access request message (Col 7 lines 19-
32) a session identifier identifying a session associated with the user, (Col 8 lines 7-19;
Acct-Session-ID attribute) and a PDSN identifier identifying the PDSN (Col 8 lines 7-19;
IP address of the PDSN A) . Phillips discloses including a username identifier
identifying a user associated with the Mobile IP session, (Col 10 lines 36-56)

As per claim 32, Jones / Heller / Phillips / Raman disclose the method as recited
in claim 31. Jones discloses further wherein the disconnect request message (Col 10
lines 33-43; Figure 6B; item 168) further indicates that the resources associated with
the session are no longer needed. (Col 2 lines 30-35, Col 5 lines 38-49)

As per claim 33, please see the discussion under claim 23 as similar logic
applies.

As per claim 34, please see the discussion under claim 23 as similar logic
applies.

As per claim 35, Jones / Heller / Phillips / Raman disclose the method as recited
in claim 31. Jones discloses further wherein the disconnect request message requests
that the first PDSN disconnect the user for the session (Col 10 lines 33-43; Figure 6B;

item 168) identified by the session identifier. (Col 8 lines 7-19; Acct-Session-ID

attribute)

As per claim 36, please see the discussion under claim 7 as similar logic

applies.

As per claim 37, please see the discussion under claim 27 as similar logic

applies.

As per claim 39, please see the discussion under claim 1 as similar logic

applies.

As per claim 41, please see the discussion under claim 13 as similar logic

applies.

As per claim 47, please see discussion under claim 21 as similar logic applies.

Jones discloses further such that the resources are released independent of whether a

PPP session timer has expired. (Col 2 lines 30-35; Col 5 lines 38-49)

As per claim 48, please see discussion under claim 1 as similar logic applies.

Jones discloses further such that the resources are released prior to expiration of a PPP

session timer. ((Col 2 lines 30-35; Col 5 lines 38-49)

Claim 30 is rejected under 35 U.S.C. 103(a) as being unpatentable over Jones et al. – hereinafter Jones (US 7, 441,269) / Phillips (US 7,454,206) further in view of Moller (US 2003/0028598)

As per claim 30, please see the discussion under claim 18 as similar logic applies.

Claim 40 is rejected under 35 U.S.C. 103(a) as being unpatentable over Jones et al. – hereinafter Jones (US 7, 441,269) / Heller (US 6,947,400)/ Phillips (US 7,454,206) / Raman (US 2004/0018829) further in view of Moller (US 2003/0028598)

As per claim 40, please see discussion under claim 18 as similar logic applies.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Chirag R Patel whose telephone number is (571)272-

7966. The examiner can normally be reached on Monday to Friday from 8:00AM to

4:30PM. If attempts to reach the examiner by telephone are unsuccessful, the

examiner's supervisor, Nathan Flynn, can be reached on (571) 272-1915.

The fax phone number for the organization where this application or proceeding

is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from

the Patent Application Information Retrieval (PAIR) system. Status information

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http://pairdirect.uspto.gov. Should you have questions on access to the Private

PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197

(toll free).

/C. R. P./
Examiner, Art Unit 2454

/Nathan J. Flynn/

Supervisory Patent Examiner, Art Unit 2454